

成功大學生物醫學工程學系雙聯學位碩、博士論文共同指導協議

Co-Advising Agreement for Graduate Students in the Department of Biomedical Engineering, National Cheng Kung University

Approved by the 2nd BME Faculty Meeting in 2023 Spring semester, March 27, 2023

**This Agreement is made to implement the Agreement of Dual PhD Degree program signed by BME of National Cheng Kung University and BME of Mahidol University in February 2023. It applies only for the graduate students from two Institutions who join the program.*

*此協議書依據成功大學生物醫學工程學系與 Department of Biomedical Engineering, Faculty of Engineering in Mahidol University 所簽訂之雙聯博士學位同意書所制定，僅適用來自雙方學校，參與此學程之研究生。

1) STUDENT 學生姓名

Chaitika Kanjana

Chaitika Kanjana

May 2, 2023

Printed Name

(the same name on your passport)

Signature

Date

Student ID Number: P88127017

2) ADVISORS from Both Universities 兩校指導教授

Advisor of Dept. of Biomedical Engineering, National Cheng Kung University (Full-time Faculty only)

Address at No. 1, University Road, Tainan, Taiwan

Fong-Chin Su, Ph.D., Chair Professor

Name & Title

Advisor of Dept. of Biomedical Engineering in Mahidol University (Full-time Faculty)

Address at 999 Phuttamonthon 4 Road, Salaya, Nakhon Pathom 73170, Thailand

Jackrit Suthakorn, Ph.D., Associate Professor

Name & Title

3) RESEARCH TOPIC 論文題目/研究領域

Development of a Drone for Playing Catch Exercise

4) Regulations regarding duration of years of study and the minimum duration distributed to both institutions 修業年限與兩校修業時間分配

- a. The minimum duration of years of academic study for the students of this doctoral program is 3 consecutive academic years, including at least 18 months in Mahidol University in Thailand, and 18 months in National Cheng Kung University in Taiwan. 參與此雙聯學位的博士生，於此雙聯學位中最低修業年限為連續三個學年，包含 18 個月在成功大學醫工系就讀，另 18 個月須在泰國 MU 醫工系就讀。
- b. The maximum duration of years of study in NCKU for this program is 7 years excluding suspension semesters, which is the maximum duration of NCKU academic study for students of doctoral program. 參與此雙聯學位的博士生，按照成功大學學制，於成功大學醫工系最長的註冊修業年限為 7 年。

5) Academic Requirements 修課規範

- a. The students of this doctoral program are required to complete a minimum of 18 credits in NCKU. The students who join this program have to complete at least 6 credits in NCKU BME, which equals to one third of the required credits for graduation stated in the Dual PhD Degree Program Agreement. In addition to the required 6 credits, the students of this doctoral program must also complete seminar courses of doctoral level (1 credit per semester) when studying in NCKU BME, for at least three semesters. The seminar credits can be counted into the required credits for graduation in NCKU. Credits completed in Mahidol University can be waived in NCKU upon the approval of advisors in Mahidol University. 參與此雙聯學位的博士生，按照本系「成功大學生物醫學工程學系博士班修業辦法」所明定，須修滿 18 學分。該生須修滿本系開設課程至少 6 學分，等同此雙聯博士學位同意書要求之本系畢業學分數三分之一；同時須修至少 3 學分博士班專題討論(Seminar)。專題討論學分不包含於 6 學分內，但可計入畢業學分。該博士生於 Mahidol University 研修期間所獲得之學分，經 Mahidol University 指導教授簽名核可後，可於回到成功大學之後進行抵免。
- b. The students of this doctoral program must have at least 2 journal papers published in related research fields in SCI journals, and get total above 5 impact factor scores from the publications. The evaluation of IF scores of publications must follow the regulations stated in the "Requirements for Ph.D. Program in the Department of Biomedical Engineering, National Cheng Kung University." The two journal papers, if published in co-first authorship, the students of this doctoral program must be the first author in order to be counted as graduation required publication. Two departments should both be listed in affiliations, with "Department of Biomedical Engineering, National Cheng Kung University" listed as the first affiliation in one of the publications, and "Department of Biomedical Engineering, Mahidol University" as the first affiliation in the other. 參與此雙聯學位的博士生，必須發表至少 2 篇 SCI 期刊論文，IF 累計達到 5 點。期刊發表與點數計算的規範須按照本系「成功大學生物醫學工程學

系博士班修業辦法」所規定。所發表之期刊論文，須以該博士生為第一作者（若有共同第一作者，只認可排序第一位之作者），且皆須為雙邊機構共同發表。文章的單位名稱排名其中一篇須以本系名稱(Department of Biomedical Engineering, National Cheng Kung University)為第一位，另一篇以 Department of Biomedical Engineering, Mahidol University 為第一位。

- c. The students of this doctoral program must pass the qualification exam to be certified as a PhD candidate. Students whose home institute is NCKU BME, must take the qualification exam following the regulations stated in the “Requirements for Ph.D. Program in the Department of Biomedical Engineering, National Cheng Kung University” in order to receive the certificate of PhD Candidate. As to the students of this doctoral program whose home institute is MU BME, if he or she already received the certificate of PhD candidate in MU, NCKU BME will admit the qualification. 參與此雙聯學位的博士生，如為本系生，須參加本系博士班資格考並取得考試合格證書，才能獲得本系博士候選人資格；資格考相關規範須按照本系「成功大學生物醫學工程學系博士班修業辦法」所規定。如為來自 Mahidol University 參與此雙聯學位的博士生，若該生已於 MU 取得博士候選人資格，則秉持雙聯學位同意書的精神，本系亦承認該生之博士候選人資格。

6) The Students of this doctoral program shall write and defend his/her thesis in a viva voce examination in English. 參與此雙聯學位的博士生，須以英文撰寫論文，並以英文答辯。

7) Intellectual Property Rights 智慧財產權

- a. The students of this doctoral program should be allowed to continue using the IP rights he or she already got access to in his or her research, when he or she went abroad to the partner institution. 參與此雙聯學位的博士生，於其已進行之研究中使用到之智慧財產權，在轉換到協議之合作學校續做研究時，應被准許繼續使用該智慧財產權相關之技術知能。
- b. Should there be any innovative ideas or inventions come out based on the original intellectual property rights, the original IP right owner must be respected, both in getting permit and proper citation. New patents derived from this cooperation should be owned by both parties. 參與此雙聯學位的博士生，若其研究結果得出創新發明欲申請專利，且該研究乃奠基於其他專利，則須尊重原專利擁有人，須取得同意並確實引用。該新專利，則應該列為雙邊機構所共有。

8) Committee of Doctoral Degree Examination and Thesis Defense
學位考試委員會之組成及口試進行方式

- a. The constitution and conduct of committee for Doctoral degree viva voce examination must follow the regulation stated in the “Requirements for Ph.D. Program in the Department of Biomedical Engineering, National Cheng Kung

University.” The co-advisors of both universities will both be committee members, each member must be appointed by mutual consent of both Institutions and approved through the appropriate mechanisms by both Institutions. 此雙聯學位考試之考試委員會組成以及口試答辯相關規定，須按照本系「成功大學生物醫學工程學系博士班修業辦法」所明定，且每位考試委員皆須經過兩位指導教授同意，委員的資格與聘任程序須按照本校規定辦理。

- b. The location of oral defense must be decided 4 months in advance to its submission. If video conferencing is used, appropriate procedure and application must be conducted following NCKU regulations. 口試地點須於提交口試申請前四個月由雙邊學校討論後決議，如為線上口試，亦須按照成功大學規定進行申請。

9) Alteration & Termination 協議書修改與終止之規定

Both alteration and termination must be proposed following the protocols stated in the Agreement of Dual PhD Degree Program. 所有的條款修正與協議終止，須按照此雙聯學位協議書之內容規定辦理。

10) This agreement application must be approved by NCKU BME faculty meeting. 本申請之提出須經本系系務會議同意始得執行

11) Matters not specified in the agreement shall be dealt with according to the regulations of BME and NCKU. 如有未盡事宜，依本系及本校相關規定辦理

I hereby acknowledge that I have read and understand the terms and conditions as provided in the “Co-Advising Agreement for Graduate Students in the Department of Biomedical Engineering, National Cheng Kung University” and I agree to all of the terms. 本人已詳閱並瞭解「成功大學生物醫學工程學系雙聯學位碩、博士論文共同指導協議書」之相關內容，且同意遵守所有事項。

Student's Signature: CHAITIKA KANJANA Date: May 2, 2023
(the same name on your passport)

Approved by

Advisor of NCKU BME

Signature / Date:

* Digital signatures are permitted.

Advisor of MU BME

Signature / Date:

* Digital signatures are permitted.

-----BME Department Office Use Only-----

Approved By:

Yi-Tai Chiu
Department Chair of BME, NCKU

Date: May 9, 2023